

CLAIMS

1. An outer rotor type multi-pole generator comprising a stator (8) mounted on a stationary support (7), and a rotor (9) formed by fixedly attaching a magnet (22) to the inner periphery of a bottomed cylindrical rotor yoke (21) that is coaxially fixed to an end of a drive shaft (10) rotatably supported by the support (7) and that coaxially covers the stator (8), cooling air being made to flow within a stationary casing (20) covering the stator (8) and the rotor (9), characterized in that a plurality of radially extending vanes (23c) are integrally provided in a closed end of the rotor yoke (21), and a plurality of intake holes (25) positioned between the vanes (23c) are formed in the closed end of the rotor yoke (21).

2. The outer rotor type multi-pole generator according to Claim 1, wherein the rotor yoke (21) comprises an end wall member (23) and a cylindrical member (24), the end wall member (23) being die-cast molded so as to integrally have a disk portion (23a) having a central part thereof fixed to the end of the drive shaft (10), a ring portion (23b) coaxially surrounding the disk portion (23a), and the plurality of vanes (23c) providing a connection between the disk portion (23a) and the ring portion (23b), and the cylindrical member (24) being formed in a cylindrical shape coaxially covering the stator (8) and having one end thereof fixed to the ring portion (23b).